

Wisconsin Department of Natural Resources  
Bureau of Watershed Management (WT/3)  
101 S. Webster St.  
Madison, WI 53703  
PO Box 7921  
Madison, WI 53707-7921

# Final Report Form 3400-189 (rev. 7/30/09)

- Targeted Runoff Management Grant Program (ch. NR 153)
- Notice of Discharge Program (ch. NR 153)
- Urban Nonpoint Source & Storm Water Management Grant Program (ch. NR 155)

JAN 11 2013

**NOTICE:** This Final Report is authorized under ss. 281.65 and 281.66., Wis. Stats., and chs. NR 153 and NR 155, Wis. Admin. Code. Personally identified information collected will be used for program administration and may be made available to requesters as required under Wisconsin Open Records Law [ss. 19.31-19.39, Wis. Stats.].

**INSTRUCTIONS:** Your grant agreement requires you to submit a Final Report with your final reimbursement request. This Final Report form must be used in conjunction with the "FINAL REPORT INSTRUCTIONS." The instructions detail how to complete and submit the report to DNR as described in the instructions.

<b>1. GRANT TYPE</b> Check the one that applies:					
<input type="checkbox"/> Targeted Runoff Management Grant – Agricultural		<input type="checkbox"/> Targeted Runoff Management Grant – Urban			
<input checked="" type="checkbox"/> Urban Nonpoint Source & Storm Water Management Grant – Construction		<input type="checkbox"/> Urban Nonpoint Source & Storm Water Management Grant – Planning			
<input type="checkbox"/> Notice of Discharge Grant					
<b>2. PROJECT NAME &amp; LOCATION</b>					
2.1. Project Name: Detention Basin No. 1		2.2. Grant Number: USC-LR10-13900-10			
2.3. Governmental Unit Name: University of Wisconsin-Madison		2.4. Primary Watershed Name: Six Mile & Pheasant Branch Creeks		2.5. Watershed Code: LR10	
<b>NOTE FOR SECTION 2.6 (which follows):</b> Section 2.6. includes five (5) columns (A. through E.) for recording data about five (5) discrete site locations. If your grant has more than five (5) discrete project locations, attach additional columns for Section 2.6 as described in the instructions. If your project occurs in more than one 12-digit Hydrologic Unit Code (HUC), use the space in adjacent columns to record other HUC numbers.					
2.6. Site Location(s)	A	B	C	D	E
Name of Cost-Share Recipient or Governmental Unit	University of Wisconsin - Madison	University of Wisconsin - Madison	University of Wisconsin - Madison	University of Wisconsin - Madison	
Cost-Share Agreement Number (Agricultural only)	N/A	N/A	N/A	N/A	
12-Digit Hydrologic Unit Code(s) (HUC) Where Work Was Completed	070900020604	070900020604	070900020604	070900020604	
Nearest Surface Receiving Water Affected					
Name:	Lake Mendota	Lake Mendota	Lake Mendota	Lake Mendota	
Waterbody Identification Code(s) (WBIC):	8050400	8050400	8050400	8050400	
Nearest Impaired Water Affected					
Name:	Lake Mendota	Lake Mendota	Lake Mendota	Lake Mendota	
Waterbody Identification Code(s) (WBIC):	8050400	8050400	8050400	8050400	
Pollutants Reduced	Phosphorous	Phosphorous	Phosphorous	Phosphorous	
Impairments/Impacts Addressed	TSS Reduction	TSS Reduction	TSS Reduction	TSS Reduction	

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Project Location(s) (cont.)	A	B	C	D	E
Project Coordinates					
Town	T07N	T07N	T07N	T07N	
Range	R09E	R09E	R09E	R09E	
Section	16	16	16	16	
Quarter	NW	NW	NW	NW	
Quarter-Quarter	SW	SW	NW	NE	
Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer (SWDV))	43°4'59.4" N(43.08318)	43°4'58.1" N(43.0828)	43°5'14.6" N(43.08738)	43°5'12.8" N(43.08689)	
Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV)	89°26'36.5" W(89.44348)	89°26'35.2" W(89.44311)	89°26'24.5" W(89.44013)	89°26'3.4" W(89.43429)	

3. SUMMARY OF RESULTS			
Table A: Agricultural Projects - Ch. NR 153 Performance Standards and Prohibitions and Other Water Resources Management Priorities			
A-1: Management Measures	Units of Measure	Quantity	Measurement Method Used
Sheet, rill and wind erosion	Acres meeting "T"	acres	
Manure Storage Facilities: New Construction/Alterations	Number of facilities	facilities	
	Number of animal units	animal units	
Manure Storage Facilities: Closure	Number of facilities	facilities	
Manure Storage Facilities: Failing/Leaking Facilities	Number of facilities	facilities	
	Number of animal units	animal units	
Clean Water Diversions in WQMA	Pollutant load reduction	lbs.	
	Number of farms with diversions	farms	
	Number animal units	animal units	
Nutrient Management on Agricultural Land	Acres planned	acres	
Prohibition: Manure Storage Overflow	Number of farms	farms	
	Number of animal units	animal units	
Prohibition: Unconfined Manure Pile in WQMA	Number of farms	farms	
Prohibition: Direct Runoff From Feedlot/Stored Manure	Pollutant load reduction	lbs.	
	Number of facilities	facilities	
	Number of animal units	animal units	
Prohibition: Unlimited Livestock Access	Feet of bank protected	feet	
	Number of farms	farms	

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Table A: Agricultural Projects (continued)		Units of Measure	Quantity	Measurement Method Used
A.2. Other Management Measures				
Streambank & Shoreline Protection	Units (use feet, acres or number as applicable)			
	Pollutant load reduction (if method available)			
Other:	Units (use feet, acres or number as applicable)			
	Pollutant load reduction (if method available)			
Other:	Units (use feet, acres or number as applicable)			
	Pollutant load reduction (if method available)			
Other:	Units (use feet, acres or number as applicable)			
	Pollutant load reduction (if method available)			

Table B: Urban Construction Projects Serving Developed Areas			
B.1. Required Management Measures	Units of Measure	Quantity	Measurement Method Used
20-40% Total Suspended Solids (TSS) Reduction for NR 216 communities	TSS reduced	12851 lbs.	SLAMM modeling
	TSS reduction	15 %	SLAMM modeling
B.2. Other Management Measures			
20-40% Reduction in TSS for non-NR 216 communities	TSS reduced	lbs.	
	TSS reduction	%	
Infiltration	Pre-development stay-on volume	%	
	Stay-on volume	ft <sup>3</sup> /year	
Peak flow discharge for 2 year/24 hour design storm	Change in cubic feet per second for design year	ft <sup>3</sup> /sec	
Protective areas	Bank protected	feet	
Fueling & maintenance areas	Oil sheen presence reduced	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Streambank & Shoreline Protection	Bank erosion reduced	tons	
	Bank protected	feet	
Other:	Pollutant load reduction (if method available)		
	Units (use feet, acres or number as applicable)		

Table C: Urban Planning Projects			
C.1. Governmental unit(s) involved (list by name):			
C.2. Estimate total acres covered by the	Existing Developed Urban Areas	New Development	Total Acres

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planning product:	acres	acres	acres
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<b>C.3. Products developed</b> (check all below that apply)		Identify Documents by Name (if applicable)
<input type="checkbox"/> Storm Water Plan		
<input type="checkbox"/> Construction or Erosion Ordinances		
<input type="checkbox"/> Post-construction Storm Water Ordinances		
<input type="checkbox"/> Other Types of Storm Water Quality Ordinances		
<input type="checkbox"/> Financing Methods: identified and evaluated		
<input type="checkbox"/> Financing Methods: developed or implemented		
<input type="checkbox"/> I & E Plan		
<input type="checkbox"/> I & E Implementation Activities		
<input type="checkbox"/> Other:		
<b>C.4. Identify the Storm Water goals addressed</b> (check all that apply)		
<input type="checkbox"/> Reduce TSS	Comments:	
<input type="checkbox"/> Maintain infiltration		
<input type="checkbox"/> Control Peak Flow		
<input type="checkbox"/> Protective Areas		
<input type="checkbox"/> Control of Fueling & Maintenance Areas		
<input type="checkbox"/> Remove Illicit Discharges		
<input type="checkbox"/> Other:		

## 4. Satisfaction of Notice Requirements. If cost sharing for this project was offered under a formal notice pursuant to chs. NR 151 or 243, provide information for each notice in the table below.

Notice Information				Notice Satisfaction Information		
Chs. NR 151 or 243 Notice Type	Issue Date	From (Name)	To (Name)	Satisfied?		Date Letter Sent
				Yes	No	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	

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**5. Additional Information:** (Space will expand to fit your text.)

This project installed four bio-retention facilities in the Eagle Heights Housing area. Bio-retention facilities were used rather than a pond because of the numerous children in the area. The project included varied engineered fill mixes and facilities for monitoring if DNR decides to measure the influences of the varied mixes.

**6. Summary of Project Challenges:** (Space will expand to fit your text.)

Challenges related to this project were limited to the typical construction, location of and coordination of utilities and utility service during construction of nearby residents.

**7. Grantee Certification:**

Checking here ☒ certifies that, to the best of your knowledge, the information contained in this report is correct.

Name of Authorized Representative (type or print) ↓

Bonniejean Zlitske

Title of Authorized Representative (type or print) ↓

Managing Officer, RSP

Signature of Authorized Representative



Date

1/8/13

**8. For Departmental Use Only:**

Regional NPS Coordinator → Please complete the following:

8.A. Check here ☐ if you have received the following from the project sponsor:

- one (1) printed, signed, original Final Report + attachments
- one (1) electronic version of Final Report

Send the printed, signed original Final Report with attachments + electronic version to the Community Financial Assistance Grants Manager. Community Financial Assistance will forward to Runoff Management Section Grants Coordinator.

8.B. Comments about this project:

8.C. Type or print Name of Regional NPS Coordinator →

8.D. Signature of Regional NPS Coordinator

8.E. Date

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**Eagle Heights north  
bio-retention basin**

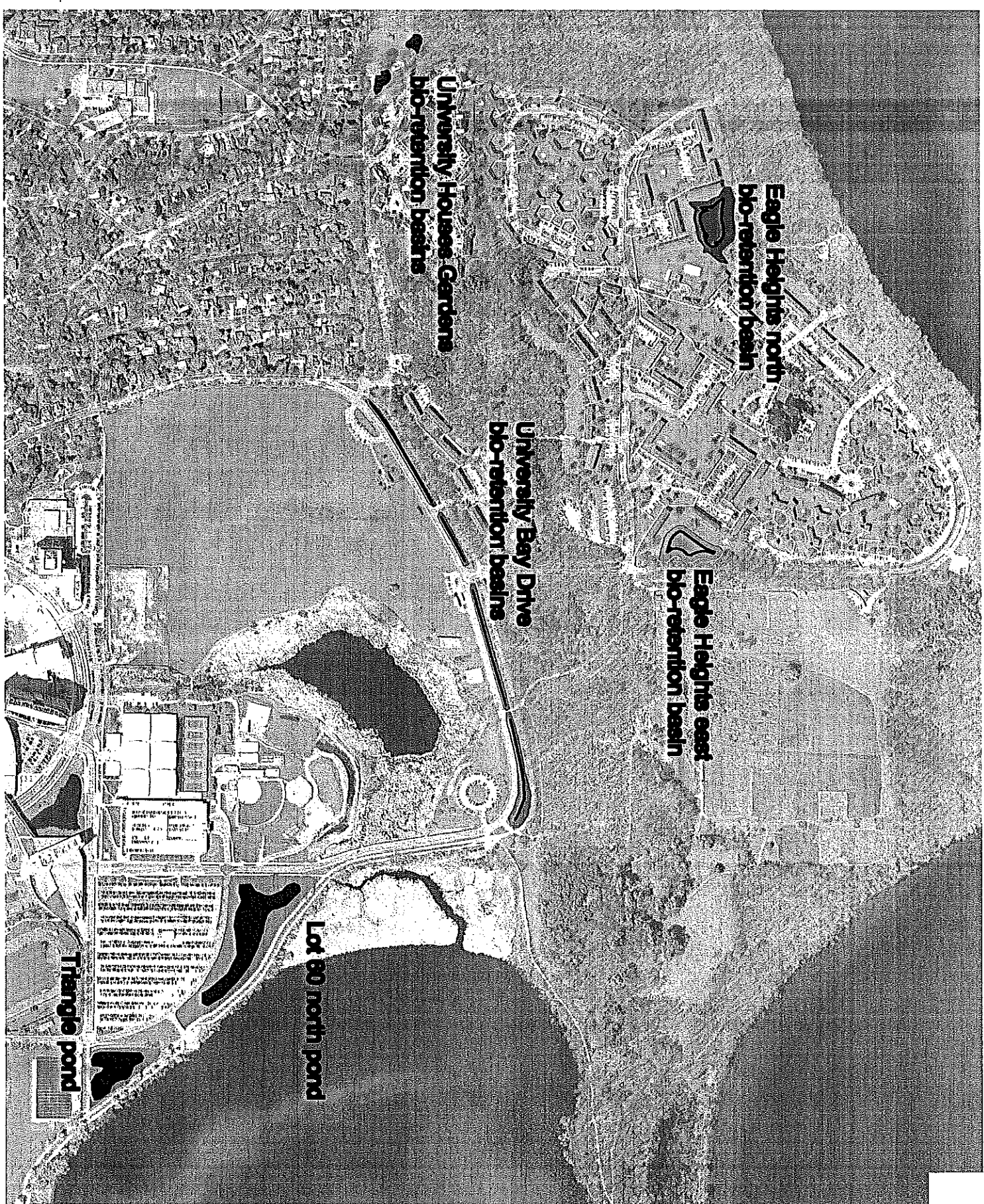
**Eagle Heights east  
bio-retention basin**

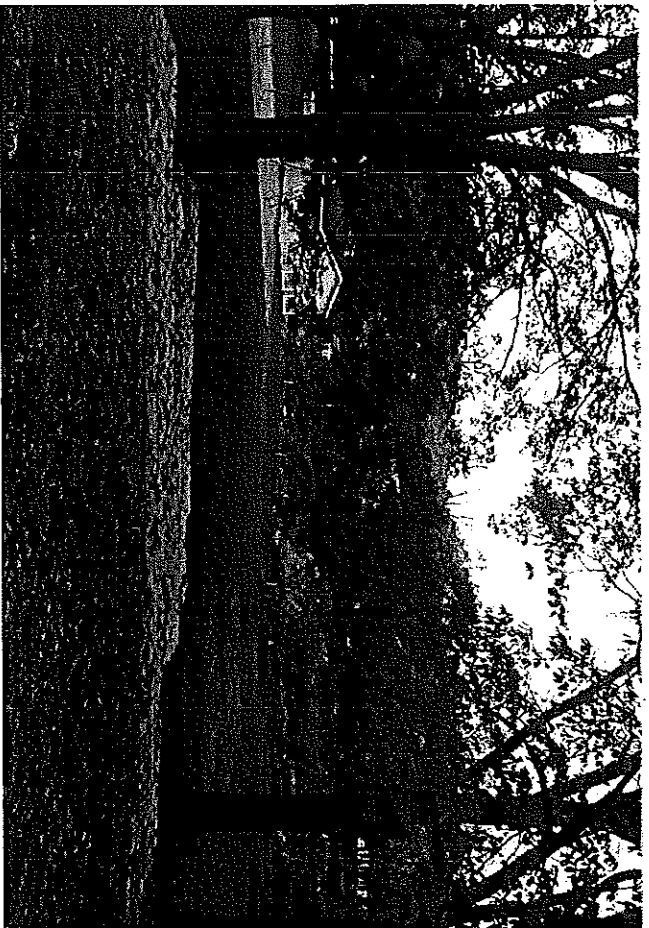
**University Bay Drive  
bio-retention basins**

**University House Gardens  
bio-retention basins**

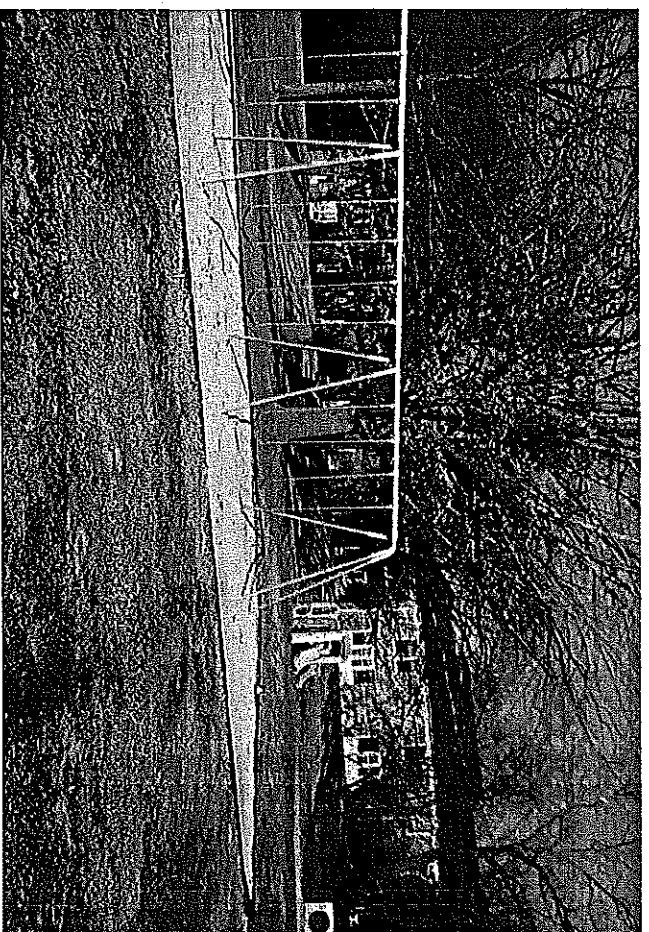
**Lot 80 north pond**

**Triangle pond**

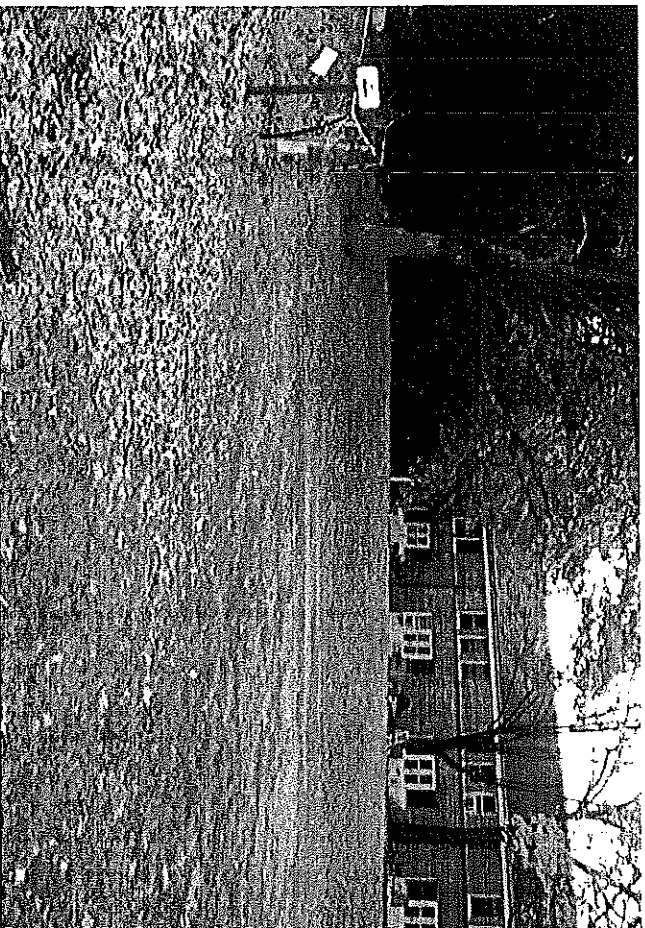




EHL-NORTH



EHL-NORTH



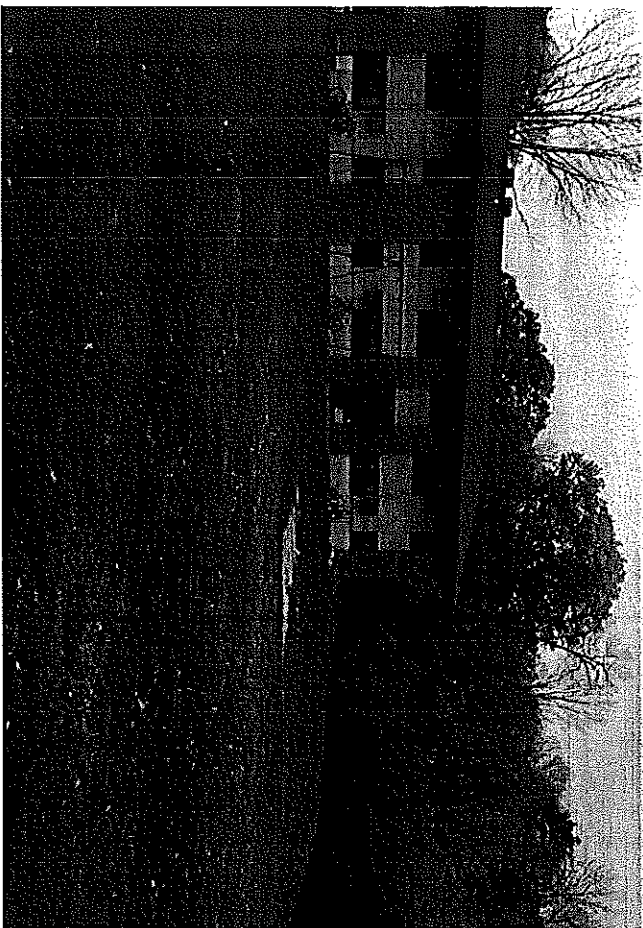
EHL-NORTH



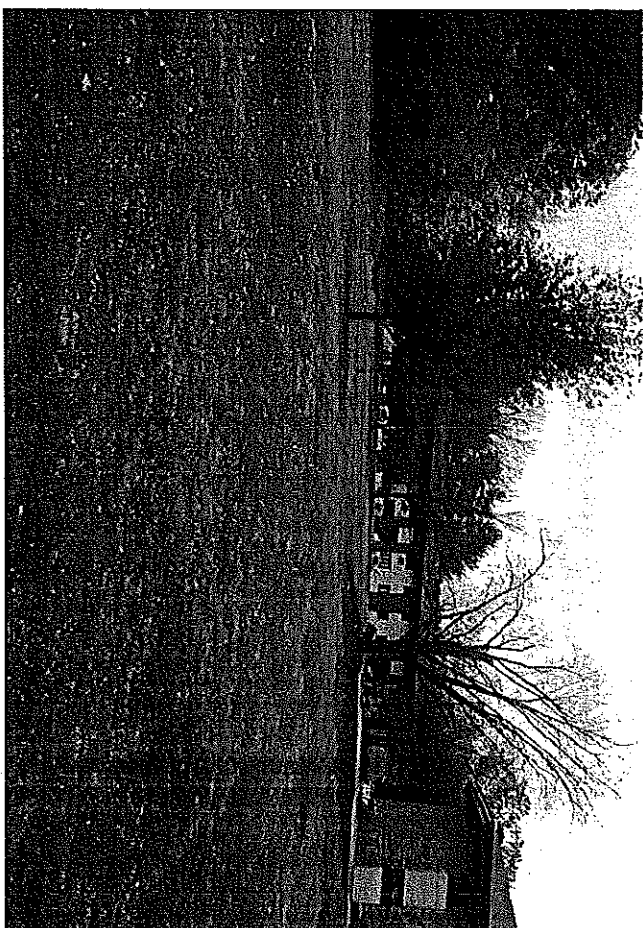
EHL-SOUTH



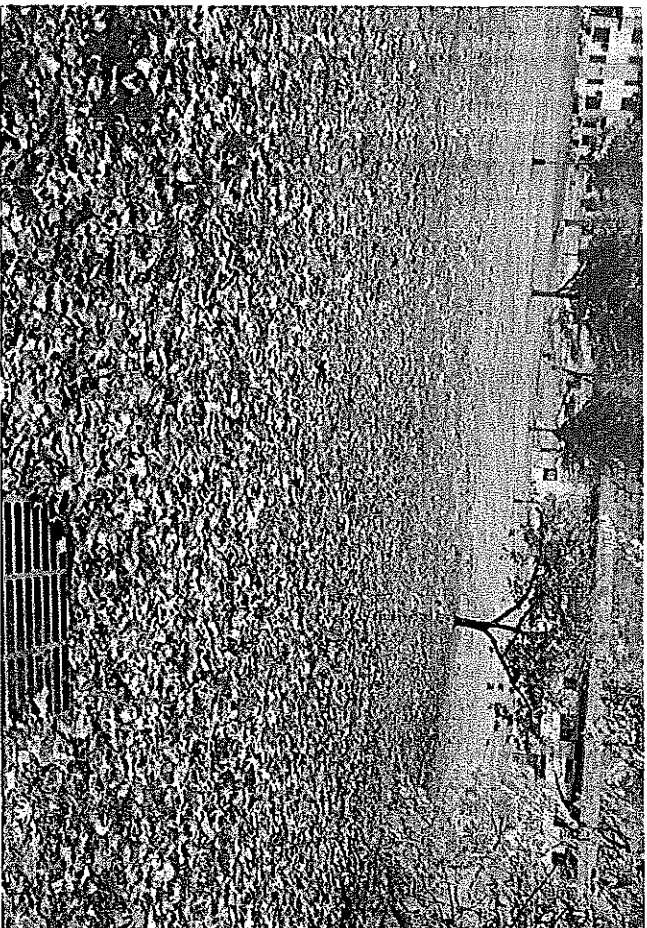
Eagle Heights North Bio-retention Basin



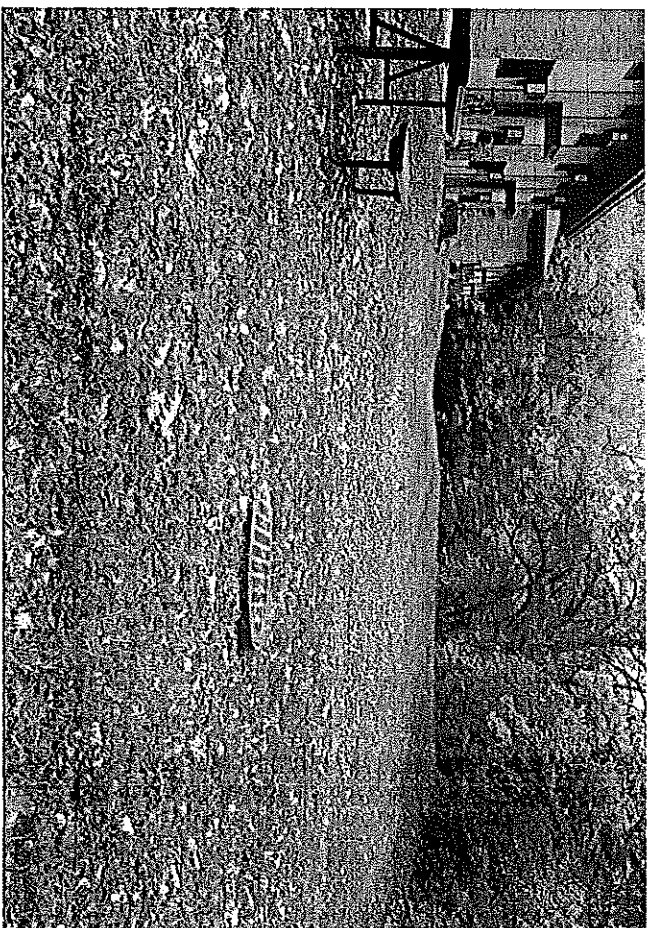
USC-LR10-13900-10 BEFORE PHOTOS



EH3 -LOOKING WEST



EH3 -LOOKING EAST

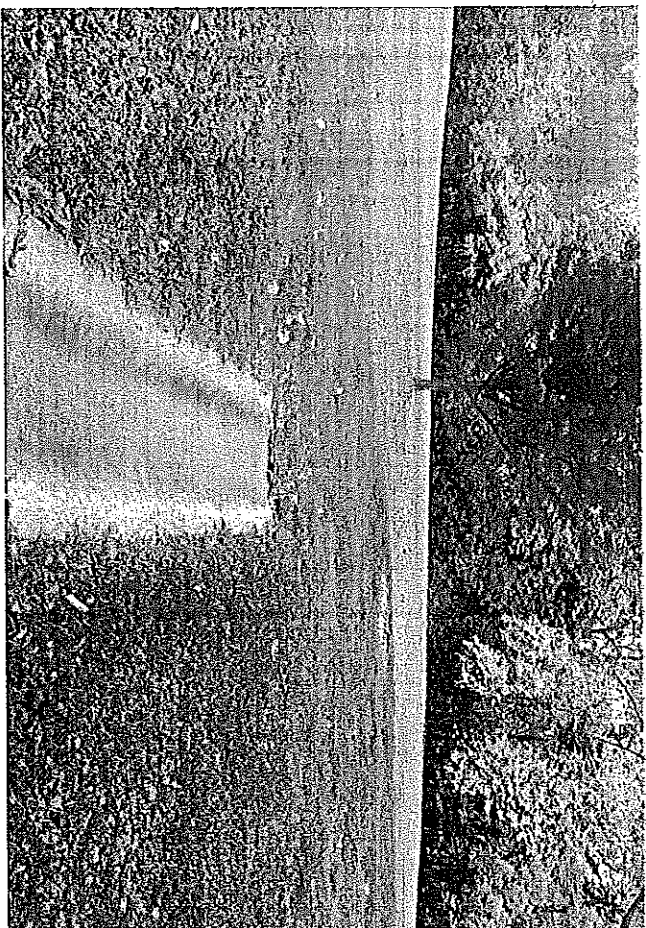


EH3

EH3 FAR WEST SIDE-LOOKING WEST

Eagle Heights North Bio-retention Basin

USC-LR10-13900-10 BEFORE PHOTOS



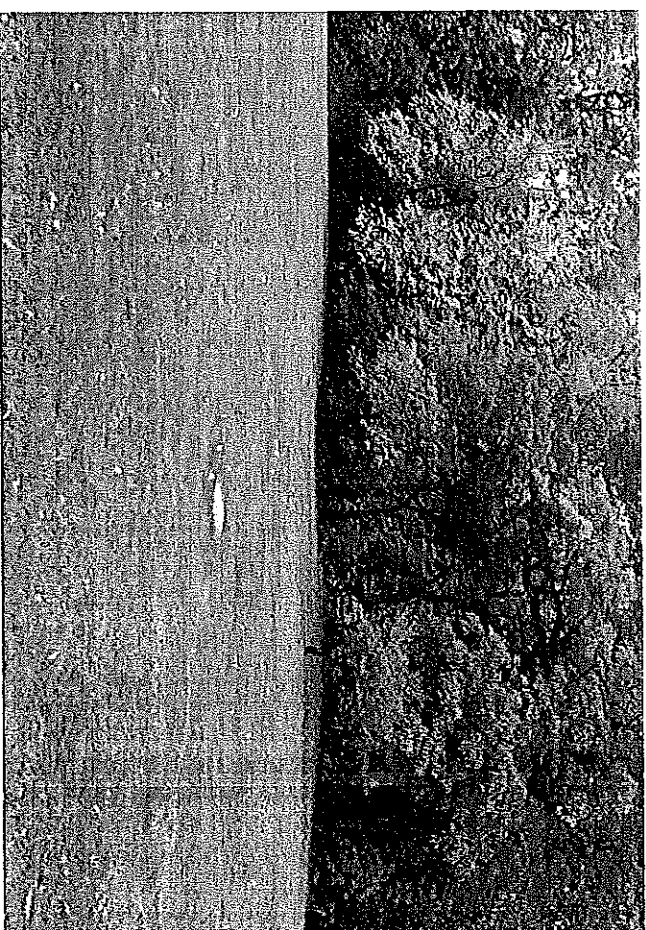
EH3



EH3

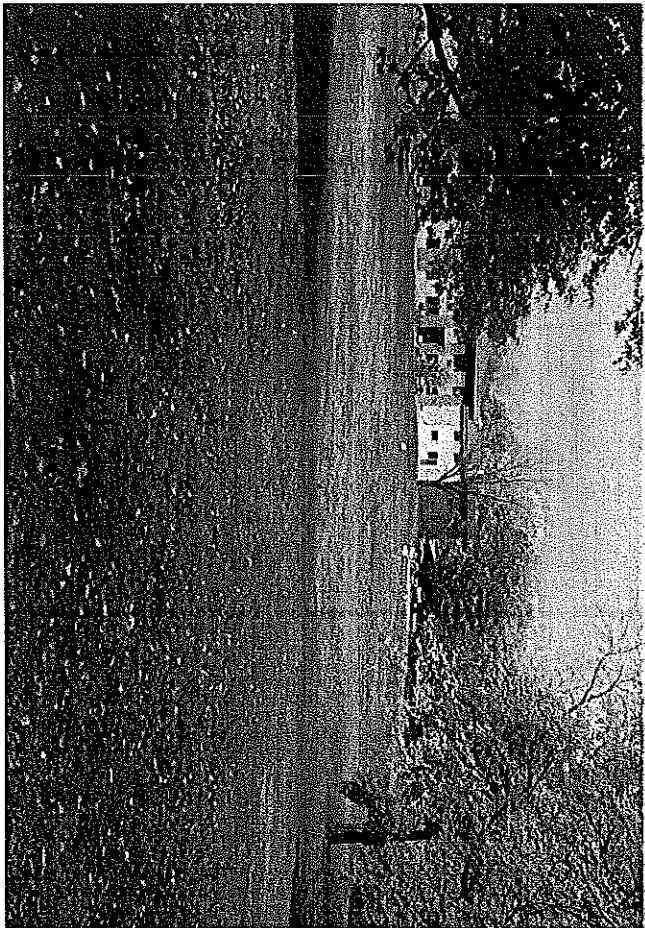


EH3 - LOOKING NORTH

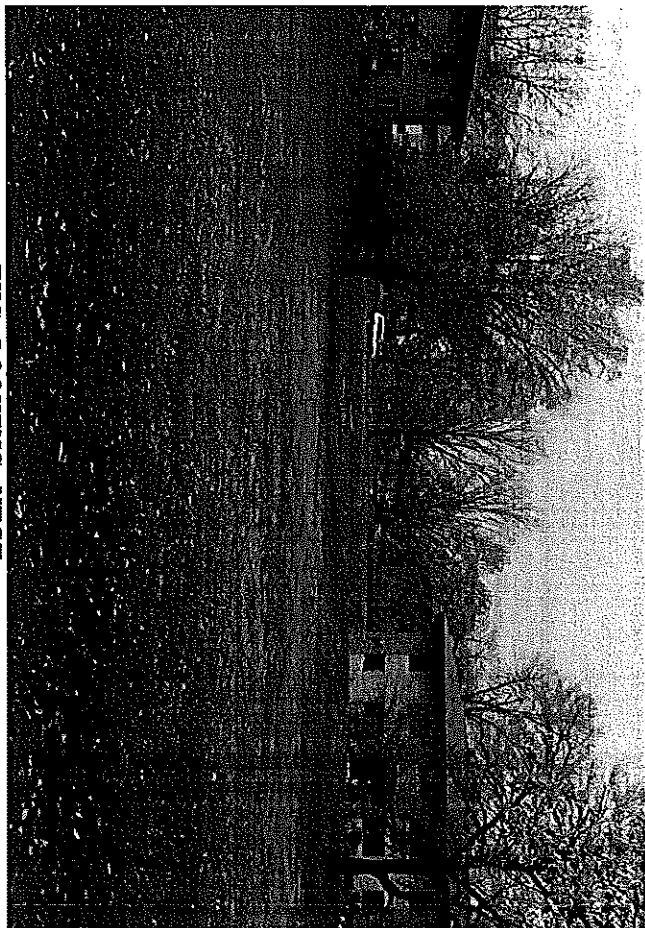


EH3 - LOOKING NORTH

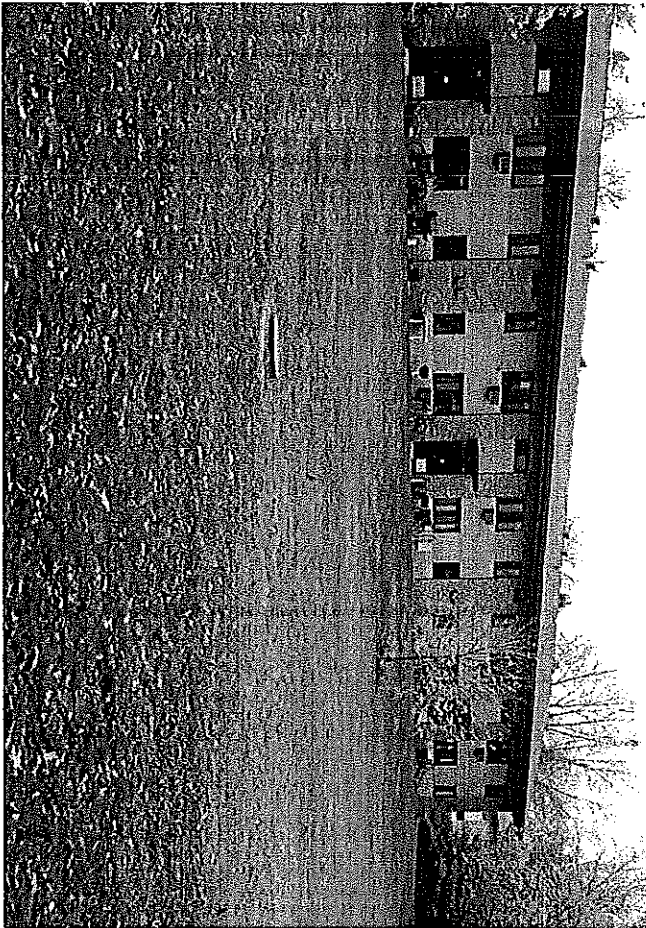




EH6-LOOKING NORTH



EHG-LOOKING WEST



EHG-LOOKING NORTHWEST



EH6-LOOKING NORTHWEST

University Houses Gardens (north & south) Bio-retention Basins



EH1a – LOOOKING NORTH



EH1b – LOOOKING SOUTH



Eagle Heights North Bio-retention Basin



EH3 - LOOKING EAST



EH3 – LOOOKING EAST  
WEST CAMPUS STORMWATER FACILITES  
SITE PHOTOS NOVEMBER 8, 2012

USC-LR10-13900-10



EH3 – LOOKING EAST

Eagle Heights North Bio-retention Basin



EH6 – LOOKING SOUTH, JUST BEFORE SEEDING



EH6 – LOOKING SOUTH, JUST BEFORE SEEDING

